

September Mixed Waste Subgroup Highlights

The Hanford Mixed Waste (MW) Subgroup met on September 11, 1997. Norm Olson distributed two technology deployment fact sheets for the subgroup members to review. The digital imaging for accident evaluation fact sheet highlights a technology being used by Meier Associates. It was used to provide 3-D images of the PFP accident. The benefits of this technology include lower costs, shorter design schedules and higher accuracy drawings than traditional CAD technology. The second technology deployment fact sheet dealt with the TechLink/Match database. This database and its applications were developed by PNNL and are being used by FDH technology management staff to keep track of vendors and how they may be able to meet Hanford needs. This database is being tested on the web at this time, and when ready, will allow Hanford program users to run searches for technologies to meet their needs. At this time there are ~119 vendors in the database with the same number still to be entered. Norm Olson is asking all subgroup members to provide feedback on the fact sheets by September 18.

The PNNL proposal to be sent to the MWFA will be reviewed by the Management Council at the September 17 meeting. The proposal, which was presented and reviewed at the last subgroup meeting, is requesting \$600K over two years to develop and demonstrate a technology to assay TRU waste in high radiation fields. All subgroup members will get a copy of the proposal and the transmittal letter after they are approved by the Management Council.

Wayne Ross distributed a list of potential science needs for mixed and TRU waste and spent nuclear fuel. Wayne will be putting this year's list together for the subgroup. Wayne wants feedback as to which needs on the list he should gather more information on and write up. Bill Bonner said he would investigate the EMSP funded projects and get back to subgroup members as to which ones that are funded and are meeting any of our needs. Wayne reviewed the potential science needs with the subgroup and he wants comments sent to him by September 18, 1997. Wayne will write up the science needs and send out to the subgroup for review at least one week prior to the next subgroup meeting.

Greg Berlin distributed a series of tables that showed the changes to the MW technology needs list from last year. Most of the needs were upgraded to include more baseline data and project specific information. Also reviewed was the prioritization table for the needs that the project managers filled out. During the ensuing discussion it was decided that the need entitled non-intrusive assay of hazardous constituents in drums/boxes should be a science need rather than a technology need. The radioactive constituents in the containers can already be measured with new technologies so the hazardous chemicals are what need to be quantified. This will be put on the science needs list. It was also decided to drop the proposed need for recycling options for reactor sodium as information was found that such technology already exists. Argonne West is starting up a facility to change sodium to sodium carbonate or bicarbonate for burial as LLW. This was seen as the most cost-effective method to dispose of sodium though it is not a recycle technique.

The final package of MW technology needs will be sent to all subgroup members after the management council endorses them in October. The next subgroup meeting is October 9 at a place to be determined.

Attendees at MW Subgroup Meeting 9/11/97

Ted Anderson	BHI	372-9343
Gary Ballew	PREC	946-0611
Greg Berlin	FDH-TM	372-0623
Bill Bonner	PNNL	372-6263
Larbi Bounini	WMH	376-4650
Pam Innis	EPA	376-4919
Walt Josephson	WMH	372-0525
Norm Olson	FDH-TM	372-4810
Roger Pressentin	DOE-RL	372-4675
Gordon Rogers	HAB	547-7403
Wayne Ross	PNNL	372-4684
Steve Weakley	PNNL	372-4275